

# Notice of Allowability

Application No.

09/829,054

Examiner

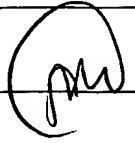
Kwang B. Yao

Applicant(s)

RAMOS ET AL.

Art Unit

2667



## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 5/4/05.
2. ☒ The allowed claim(s) is/are 2-14, renumbered 1-13, respectively.
3. ☒ The drawings filed on 09 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                 |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>5/13/05</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                        |
|   | 9. <input type="checkbox"/> Other _____.  |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sidney Weatherford on 5/11/05.

The application has been amended as follows: on page 3 of the Amendment filed on 5/4/05, after "2. (Currently Amended)", Delete "A method of selecting a link set of a telecommunications network for routing a message having a destination point code and a signaling link selection code, comprising the steps of: maintaining a link selector value in a memory, wherein the link selector value is assigned an initial value and a maximum value; initializing the link selector value to the initial value; incrementing the link selector value to provide an incremented link selector value; and otherwise, if incrementing the link selector provides an incremented link selector value which is greater than the maximum value, resetting the link selector value to the initial value; determining that the message does not require in sequence delivery; and selecting the link set according to the combination of the destination point code, the signaling link selection code, and the link selector value;".

And then insert --A method of selecting a link set of a telecommunications network for routing a message having a destination point code and a signaling link selection code, comprising the steps of: maintaining a link selector value in a memory, wherein the link selector value is assigned an initial value and a maximum value, and wherein the step of maintaining a link selector value in

Art Unit: 2667

the memory further includes the steps of: a) initializing the link selector value to the initial value; b) incrementing the link selector value to provide an incremented link selector value; and c) otherwise, if incrementing the link selector provides an incremented link selector value which is greater than the maximum value, resetting the link selector value to the initial value; and determining that the message does not require in-sequence delivery; and selecting the link set according to the combination of the destination point code, the signaling link selection code, and the link selector code.--

## REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

The present invention is directed to a method of selecting a link set of a telecommunication network. Each independent claim identifies the uniquely distinct features: regarding claim 1 (originally filed claim 2), maintaining a link selector value in a memory, wherein the link selector value is assigned an initial value and a maximum value, and wherein the step of maintaining a link selector value in the memory further includes the steps of: a) initializing the link selector value to the initial value; b) incrementing the link selector value to provide an incremented link selector value; and c) otherwise, if incrementing the link selector provides an incremented link selector value which is greater than the maximum value, resetting the link selector value to the initial value; and determining that the message does not require in-sequence delivery; and selecting the link set according to the combination of the destination point code, the signaling link selection code, and the link selector code; regarding claim 8 (originally filed claim 8), a link selector memory for maintaining a link selector value which is associated with an initial value and a maximum value, wherein the link selector value is initialized to the initial value, wherein the link selector value is incremented before the message is sent to the receiving node over the selected one of the load sharing link sets, and wherein the link selector value is reset to the initial value whenever incrementing the link selector value provides an incremented link selector value which is greater than the maximum value; regarding claim 9 (originally filed claim 10), a sending node; a memory node in electronic communication with the sending node, including a load sharing memory having a list of the load sharing link sets, a signaling link memory for storing a signaling link selection code, and a link selector

Art Unit: 2667

memory for maintaining a link selector value associated with a maximum value; and a receiving node in electronic communication with the sending node, wherein the message is routed to the receiving node over a selected one of the load sharing link sets causing the link selector value to be incremented, and wherein the link selector value is reset to the initial value whenever incrementing the link selector value provides an incremented link selector value which is greater than the maximum value. The closest prior art, Vileid et al. (US 6,778,500) and the admitted prior art disclose conventional communication system, either singularly or in combination, fail to anticipate or render the above features obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

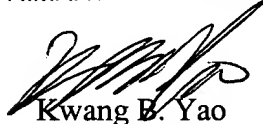
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang B. Yao whose telephone number is 571-272-3182. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H. Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2667

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KWANG BIN YAO  
PRIMARY EXAMINER



Kwang B. Yao  
May 13, 2005